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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/720,690	11/25/2003	Shin Torigoe	OKI 390	3041

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EXAMINER

ISMAIL, SHAWKI SAIF

ART UNIT	PAPER NUMBER
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2155

DATE MAILED: 08/04/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/720,690

Applicant(s)

TORIGOE ET AL.

Examiner

Shawki S. Ismail

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 May 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 2-5, 7-11, 13-16 and 18-23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 2-5, 7-11, 13-16 and 18-23 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

RESPONSE TO AMENDMENT

1. This communication is in response to the amendment received on May 6, 2006.

Claims 2-4, 7-11, 13-15 and 18-22 have been amended.

Claims 1, 6, 12, and 17 have been cancelled.

Claim 23 has been newly added.

Claims 2-5, 7-11, 13-16, and 18-23 are pending.

The New Grounds of Rejection

2. Applicant's amendment and arguments received on May 6, 2006 have been fully considered, however they are deemed to be moot in view of the new grounds of rejection.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 2-5, 7-11, 13-16, and 18-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Freivald et al.**, (Freivald) U.S. Patent No. **5,898,836** in view of **Jellum et al.**, (Jellum) U.S. Patent No. **6,915,482**.

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5. As to claim 2, Freivald teaches an update notification device according to claim 7, wherein the updated data extracting means extracts the updated data from the differential information piece (col. 1, lines 41-47, col. 2, lines 17-21, col. 7, lines 1-17).

6. As to claim 3, Freivald teaches an update notification device according to claim 7, wherein the updated data extracting means has means for converting the updated data to a main passage when the size of the differential information piece is equal to or more than a predetermined threshold value (col. 12, lines 48-56).

7. As to claim 4, Freivald teaches an 4. An update notification device according to claim 7, wherein the differential information piece pertains to a part of the web page data determined by a template held in advance in accordance with the web page, and the updated data extracting means extracts the updated data from the differential information piece (col. 1, lines 41-47, col. 2, lines 17-21, col. 7, lines 1-17).

8. As to claim 5, Freivald teaches an update notification device according to claim 4, wherein the updated data extracting means has means for converting the updated data to a main passage when the size of the differential information piece is equal to or more than a predetermined threshold value (col. 12, lines 48-56).

9. As to claim 7, Freivald teaches an update notification device for repeatedly accessing at least one Web site identifiable with a preset address and outputting a notification message if any web page has been updated in the at least one web site, the device comprising:

updated data extracting means for extracting updated data from an updated Web page (col. 6, lines 20-31, the software tool retrieves files and compares the file to an archived checksum of the file to determine if a change has occurred);

notification-receiver's address holding means for holding the address of a user terminal for receiving a notification message with respect to each at least one web site with an updated web page (see Fig. 4, col. 6, lines 32-46),

updated data output means for adding to the notification message at least one of a header of the updated data, at least some of the updated data, and information about the address of the updated web page, the updated data output means sending the notification message to the address of the user terminal (col. 6, lines 20-31, if a change is detected then the uses is notified and a copy of the new file may be attached).

Freivald does not explicitly indicate wherein the notification-receiver's address holding means further has means for holding at least one keyword with respect to the address of the user terminal, and wherein the updated data extracting means has means for removing the differential information piece from the updated data when the differential information piece does not include the held keyword, the differential information piece representing differences between old and new web pages data.

Jellum teaches processing of structured data to detect a data change and to generate a notification in relation to the detected change. Jellum further teaches that the client is able to select a particular region of a web page for monitoring or input a keyword associated with the web page. They can chose to be notified when the change

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includes the keyword (refer to figs. 3 and 6 and col. 6, lines 45-50 and col. 9, lines 27-37).

It would have been obvious to one of ordinary skill in the art at the time of applicant's invention to incorporate the teaching of Jellum into the system of Freivald in order to receive precise notification of a changed document. Both Jellum and Freivald are from the same field of endeavor, notification of a changed document on the Internet and by being able to specify the type of change (by inputting a keyword) that a user desires to be notified of would limit the amount notification a user receives and focus on changes that are of importance to the user.

10. As to claim 8, Freivald teaches an update notification device according to claim 7, wherein the updated data extracting means has means for compiling a rank, which indicates a degree-of-attention of the web page, in accordance with the frequency of occurrence of updated data having a keyword corresponding to each user terminal (col. 12, lines 48-56).

11. As to claim 9, Freivald teaches an update notification device according to claim 7, wherein the updated data output means has means for creating the notification message in accordance with a predetermined template before the output of the notification message (col. 12, lines 33-41).

12. As to claim 10, Freivald teaches an update notification device according to claim 7, wherein the updated data output means has means for creating the title of the notification message from the updated data (col. 12, lines 33-41).

13. As to claim 11, Freivald teaches an update notification device according to claim 10, wherein the updated data output means has means for giving, to the title of the notification message, a notification message issue number incremented for each notification message issued with respect to a particular web site or for each user terminal to which the notification message is sent (col. 12, lines 33-41).

14. As to claims 13-23, they do not teach or define any new limitation above claims rejected above; therefore, they are rejected for similar reasons.

Response to Arguments

15. Applicant's amendment and arguments received on May 6, 2006 have been fully considered, however they are deemed to be moot in view of the new grounds of rejection.

16. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

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the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shawki S Ismail whose telephone number is 571-272-3985. The examiner can normally be reached on M-F 8:30 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached at 571-272-4006. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Shawki Ismail
Patent Examiner
July 31, 2006



SALEH NAJJAR
SUPERVISORY PATENT EXAMINER